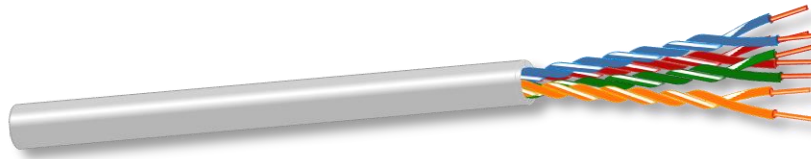


|             |  |
|-------------|--|
| Item        | <b>H0106/E</b>   |
| Description | <b>U-UTP 5E 4x2xAWG24/1 GREY Eca</b>   |
| Application | Unshielded twisted pair cable for Cat. 5E networks (up to 100 MHz). For indoor installations in ordinary buildings, where a CPR Eca Euroclass is required. |



Marking

**H0106/E - PROSPECTA U-UTP 4x2xAWG24/1 CAT 5E - ANSI/TIA/EIA 568 ISO/IEC 11801 C-4 (U0=400 V) Eca (\*) (Metering) mt**

Color Black (\*) = Lot of Production

### Construction

|                 |              |          |  |
|-----------------|--------------|----------|--|
| Cores / Section |              | nr x mmq | 4x2xAWG24/1  |
| Conductor       | Material     |          | Bare Copper (BC)   |
|                 | Type         |          | Solid  |
| Insulation      | Construction | n x mm   | 1 x 0,51   |
|                 | Material     |          | Polyethylene (PE)  |
|                 | Pairs Color  |          | Brown - White/Brown<br>Blue - White/Blue<br>Green - White/Green<br>Orange - White/Orange |
| Taping          | Diameter     | mm       | 1,05 ± 0,05  |
| Jacket          |              |          | Twisted pairs stranded together  |
|                 | Material     |          | Polyvinylchloride (PVC) TM2 (YM2)  |
|                 | Color        |          | Grey RAL 7001  |
|                 | Diameter     | mm       | 4,70 ± 0,10  |

Weight kg / km 29,0

### Technical Data

|                                  |                    |  |               |
|----------------------------------|--------------------|--|---------------|
| Conductor Loop Resistance        |                    | Ohm/km                                       | 178           |
| Mutual Capacity C1               |                    | pF/m   | 49            |
| Velocity Ratio                   |                    | %  | 69            |
| Voltage Rating U <sub>0</sub> /U |                    | Volt   | 500           |
| Test Voltage                     |                    | Volt (Ac)                                    | 1200          |
| Insulation Resistance            |                    | MOhm / km                                    | > 20          |
| Temperature Range                | Fixed Installation | °C   | - 15 / + 70   |
| Minimum Bending Radius           | Fixed Installation |  | 10 x Diameter |
| Frequency                        | MHz                | 0,7 1,0 4,0 10,0 16,0 20,0 31,3 62,5 100,0   |               |
| Attenuation                      | dB / 100 mt        | 1,8 2,1 4,3 6,6 8,2 9,2 11,8 17,1 22,0       |               |
| NEXT                             | min. dB            | 75,0 63,3 52,5 43,9 39,0 36,5 31,3 22,2 14,1 |               |

### Standards

Fire Behaviour (according to EN 50575) Euroclass Eca  
DOP Nr. H0106/E

**Product Manager**  
**(Davide Eng. Bagnacani)**

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